

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|-------------------|--|------------------|---------|------------------|
| L1 | 967 | 719/315.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/14 13:30 |
| L2 | 525 | 719/316.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/14 13:30 |
| L3 | 222 | 719/317.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/14 13:30 |
| L4 | 767 | 719/318.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/14 13:30 |
| L5 | 935 | 719/310.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/14 13:30 |
| L6 | 317 | 719/311-312.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/14 13:30 |
| L7 | 1443 | 709/200.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/14 13:31 |

EAST Search History

| | | | | | | |
|-----|-------|-------------------|--|----|-----|------------------|
| L8 | 11179 | 709/201-204.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/14 13:31 |
| L9 | 19602 | 709/217-224.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/14 13:31 |
| L10 | 491 | 342/357.1.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/14 13:31 |
| L11 | 216 | 455/400.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/14 13:31 |
| L12 | 205 | 455/401.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/14 13:31 |
| L13 | 6466 | 455/415-425.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/14 13:32 |
| L14 | 1707 | 718/100.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/14 13:32 |

EAST Search History

| | | | | | | |
|-----|------|-------------------|--|----|-----|------------------|
| L15 | 3034 | 718/101-104.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/14 13:32 |
| L16 | 2844 | 715/513.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/14 13:32 |
| L17 | 951 | 717/100,114.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/14 13:32 |
| L18 | 474 | 719/331,332.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/14 13:32 |
| L19 | 717 | 379/201.01.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/14 13:33 |
| L20 | 219 | 379/201.02.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/14 13:33 |
| L21 | 186 | 379/201.03.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/14 13:33 |

EAST Search History

| | | | | | | |
|-----|-------|--|--|----|-----|------------------|
| L22 | 44061 | I1 or I2 or I3 or I4 or I5 or I6 or I7 or I8 or I9 or I10 or I11 or I12 or I13 or I14 or I15 or I16 or I17 or I18 or I19 or I20 or I21 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/14 13:34 |
| L23 | 588 | I22 and telecommunication and context same object | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/14 13:34 |
| L24 | 296 | I23 and feature same object | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/14 13:34 |
| L25 | 122 | I24 and call and compiled | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/14 13:35 |
| S1 | 0 | "5974135".pn. and "6029203".pn. | USPAT | OR | ON | 2003/11/16 13:58 |
| S2 | 2 | ((("5974135") or ("6029203"))).PN. | USPAT; USOCR | OR | OFF | 2003/11/16 14:44 |
| S3 | 2 | (US-6029203-\$ or US-5974135-\$). did. | USPAT | OR | OFF | 2003/11/16 14:44 |
| S4 | 1 | S3 and (HTML same call) | USPAT | OR | OFF | 2003/11/16 14:51 |
| S5 | 0 | S3 and (HTML same compile same call) | USPAT | OR | OFF | 2003/11/16 14:44 |
| S6 | 91 | 379/265.ccls. or 709/244.ccls. or 709/311-332ccls. | USPAT | OR | OFF | 2003/11/16 14:55 |
| S8 | 687 | 379/265\$.ccls. | USPAT | OR | OFF | 2003/11/16 14:54 |
| S9 | 91 | 709/244.ccls. | USPAT | OR | OFF | 2003/11/16 14:55 |
| S11 | 49990 | telecomm\$10 or (tele adj comm\$10) and (((mark adj up) or markup) adj language) or HTML or XML) | USPAT | OR | ON | 2003/11/15 19:13 |
| S12 | 25176 | (telecomm\$10 or (tele adj comm\$10) and (((mark adj up) or markup) adj language) or HTML or XML)) and telephone | USPAT | OR | ON | 2003/11/15 19:05 |

EAST Search History

| | | | | | | |
|-----|-------|---|-------|----|----|------------------|
| S13 | 19118 | ((telecomm\$10 or (tele adj comm\$10) and (((mark adj up) or markup) adj language) or HTML or XML)) and telephone) and switch\$3 | USPAT | OR | ON | 2003/11/15 19:06 |
| S14 | 719 | ((telecomm\$10 or (tele adj comm\$10) and (((mark adj up) or markup) adj language) or HTML or XML)) and telephone) and switch\$3) and (HTML or XML) | USPAT | OR | ON | 2003/11/15 19:07 |
| S15 | 39 | ((telecomm\$10 or (tele adj comm\$10) and (((mark adj up) or markup) adj language) or HTML or XML)) and telephone) and switch\$3) and (HTML or XML)) and (call adj feature) | USPAT | OR | ON | 2003/11/15 19:07 |
| S16 | 1246 | (telecomm\$10 or (tele adj comm\$10)) and (((mark adj up) or markup) adj language) or HTML or XML) | USPAT | OR | ON | 2003/11/15 19:15 |
| S17 | 5 | (telecomm\$10 or (tele adj comm\$10)) and (((mark adj up) or markup) adj language) or HTML or XML) near5 compil\$5) | USPAT | OR | ON | 2003/11/15 19:17 |
| S18 | 1 | ((telecomm\$10 or (tele adj comm\$10)) and (((mark adj up) or markup) adj language) or HTML or XML)) and (call near policy) | USPAT | OR | ON | 2003/11/15 19:19 |
| S19 | 230 | ((telecomm\$10 or (tele adj comm\$10)) and (((mark adj up) or markup) adj language) or HTML or XML)) and (call same (HTML or XML)) | USPAT | OR | ON | 2003/11/15 19:20 |
| S20 | 3 | ((telecomm\$10 or (tele adj comm\$10)) and (((mark adj up) or markup) adj language) or HTML or XML)) and (call same (HTML or XML) same compil\$5) | USPAT | OR | ON | 2003/11/15 19:23 |
| S21 | 0 | coppercom.as. | USPAT | OR | ON | 2003/11/15 19:23 |
| S22 | 0 | coppercom\$.as. | USPAT | OR | ON | 2003/11/15 19:24 |
| S23 | 0 | robert-martin\$.in. | USPAT | OR | ON | 2003/11/15 19:32 |
| S24 | 32 | PSTN and (HTML or XML).ab. | USPAT | OR | ON | 2003/11/15 19:45 |
| S25 | 0 | (PSTN and (HTML or XML).ab.) and TSP | USPAT | OR | ON | 2003/11/15 19:36 |
| S26 | 34 | PSTN and TSP | USPAT | OR | ON | 2003/11/15 19:37 |
| S27 | 3 | (PSTN and TSP) and (HTML or XML or markup or (mark adj up)) | USPAT | OR | ON | 2003/11/15 19:44 |

EAST Search History

| | | | | | | |
|-----|-----|--|--------------------|----|----|------------------|
| S28 | 3 | (PSTN and TSP) and (HTML or XML or markup) | USPAT | OR | ON | 2003/11/15 19:40 |
| S29 | 0 | Telecommunication adj sevice adj portal | USPAT | OR | ON | 2003/11/15 19:40 |
| S30 | 23 | (PSTN and (HTML or XML).ab.) and (telephone same servic\$5) | USPAT | OR | ON | 2003/11/15 19:45 |
| S31 | 7 | (PSTN and (HTML or XML).ab.) and (telephone same servic\$5 same (HTML or XML)) | USPAT | OR | ON | 2003/11/15 19:46 |
| S32 | 249 | feature adj object same context | US-PGPUB; USPAT | OR | ON | 2005/10/14 19:40 |
| S33 | 4 | S32 same (xml or html) | US-PGPUB; USPAT | OR | ON | 2005/10/14 19:53 |
| S34 | 15 | object near8 embody\$5 same compiled | US-PGPUB; USPAT | OR | ON | 2005/10/14 19:54 |
| S35 | 0 | S34 same (HTML or xml) | US-PGPUB; USPAT | OR | ON | 2005/10/14 19:54 |
| S36 | 3 | S34 and (HTML or xml) | US-PGPUB; USPAT | OR | ON | 2005/10/14 19:54 |
| S37 | 3 | (US-20040093198-\$ or US-20040012630-\$ or US-20020085696-\$).did. | US-PGPUB | OR | ON | 2005/10/14 19:54 |
| S38 | 3 | S37 and object near8 embody\$5 same compiled | US-PGPUB; USPAT | OR | ON | 2005/10/14 19:55 |
| S39 | 8 | (xml or markup or html) same embody\$5 same compiled | US-PGPUB; USPAT | OR | ON | 2005/10/14 19:57 |
| S40 | 221 | (xml or markup or html) same text same compiled | US-PGPUB; USPAT | OR | ON | 2005/10/14 19:58 |
| S41 | 64 | (xml or markup or html) same text same compiled same object | US-PGPUB; USPAT | OR | ON | 2005/10/14 19:59 |
| S42 | 2 | S41 and subscriber | US-PGPUB; USPAT | OR | ON | 2005/10/14 19:58 |
| S43 | 864 | (xml or markup or html) same text same object and subscriber | US-PGPUB; USPAT | OR | ON | 2005/10/14 20:00 |
| S44 | 385 | (xml or markup or html) near8 text near8 object and subscriber | US-PGPUB; USPAT | OR | ON | 2005/10/14 20:00 |
| S45 | 39 | S44 and event same behavior | US-PGPUB; USPAT | OR | ON | 2005/10/14 20:00 |
| S46 | 0 | S44 and event same behavior same data | US-PGPUB; USPAT | OR | ON | 2005/10/14 20:00 |
| S47 | 35 | S45 and instant\$5 | US-PGPUB; USPAT | OR | ON | 2005/10/14 20:01 |
| S48 | 31 | S45 and instantiate | US-PGPUB; USPAT | OR | ON | 2005/10/14 20:59 |

EAST Search History

| | | | | | | |
|-----|---------|---------------------------------|--------------------|----|----|------------------|
| S49 | 1999048 | xml text compiled near5 text | US-PGPUB; USPAT | OR | ON | 2005/10/14 20:59 |
| S50 | 4 | xml near5 compiled near5 text | US-PGPUB; USPAT | OR | ON | 2005/10/14 21:00 |
| S51 | 145 | xml near5 convert\$3 near5 text | US-PGPUB; USPAT | OR | ON | 2005/10/14 21:00 |
| S52 | 73 | xml near5 converted near5 text | US-PGPUB; USPAT | OR | ON | 2005/10/14 21:01 |
| S53 | 1 | S52 same dynamic\$5 | US-PGPUB; USPAT | OR | ON | 2005/10/14 21:01 |



Welcome United States Patent and Trademark Office

☐ Search Results
[BROWSE](#)[SEARCH](#)[IEEE XPLORE GUIDE](#)

Results for "((telecommunication<in>metadata) <and> (compiled<in>metadata))<and> (..."

e-mail

Your search matched 2 of 1408155 documents.

A maximum of 100 results are displayed, 25 to a page, sorted by Relevance in Descending order.

» Search Options

[View Session History](#)[New Search](#)

Modify Search

((telecommunication<in>metadata) <and> (compiled<in>metadata))<and> (conte

[Search](#)☐ Check to search only within this results setDisplay Format: ☒ Citation ☐ Citation & Abstract

» Key

IEEE JNL IEEE Journal or Magazine

IEE JNL IEE Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IEE CNF IEE Conference Proceeding

IEEE STD IEEE Standard

[view selected items](#) [Select All](#) [Deselect All](#)

- ☐ 1. **Static/Semi-Dynamic and Dynamic Composition of Services in Distributed Systems**
 Zein, O.K.; Kermarrec, Y.;
[Telecommunications, 2006. AICT-ICIW '06. International Conference on Internet Applications and Services/Advanced International Conference on](#)
 19-25 Feb. 2006 Page(s):144 - 144
 Digital Object Identifier 10.1109/AICT-ICIW.2006.180
[AbstractPlus](#) | Full Text: [PDF\(94 KB\)](#) IEEE CNF
[Rights and Permissions](#)
- ☐ 2. **Context driven call: principles**
 Rancov, V.; Stainov, R.;
[Global Telecommunications Conference, 1992. Conference Record., GLOBEC '92. Conference for Global Users', IEEE](#)
 6-9 Dec. 1992 Page(s):296 - 300 vol.1
 Digital Object Identifier 10.1109/GLOCOM.1992.276475
[AbstractPlus](#) | Full Text: [PDF\(564 KB\)](#) IEEE CNF
[Rights and Permissions](#)

 Indexed by
[Help](#) [Contact Us](#) [Privacy & Policy](#)

© Copyright 2006 IEEE –

[Sign in](#)
[Web](#)
[Images](#)
[Video](#)
[News](#)
[Maps](#)
[more »](#)

telecommunication compiled representation context object feature service

Search

[Advanced Search](#)
[Preferences](#)

Web Results 1 - 10 of about **579,000** for **telecommunication compiled representation context object feature service**

Scholarly articles for **telecommunication compiled representation context object feature service**



[Programming and Executing Telecommunication Service ...](#) - Dillenseger - Cited by 4
[Java-based intelligent mobile agents for open system ...](#) - Covaci - Cited by 14
[Mobile Intelligent Agents for the Management of the ...](#) - Covaci - Cited by 4

Telecommunications portal capable of interpreting messages from an ...

Further, a **context object** tracks a current state of the **telecommunication service**. The **context object** accesses the **compiled representation** in response to an ...
www.freepatentsonline.com/7046778.html - 297k - [Cached](#) - [Similar pages](#)

Mechanism for dynamically associating a service dependent ...

associating the produced **service representation object** with the servant ... A group of desired **features** may be represented by a quality of **service** list that ...
www.freepatentsonline.com/6044224.html - 103k - [Cached](#) - [Similar pages](#)

[doc] **Introduction**

File Format: Microsoft Word - [View as HTML](#)

Telecommunication service providers today are being challenged by issues and ... In the form of **compiled** run-time assemblies BizTalk Server 2004 ...
download.microsoft.com/.../d/b/9/db936756-c0c7-4982-a99e-49b40d291aa2/BizTalk_Server_2004_Architecture.doc - [Similar pages](#)

Citations: The Network with Smarts - Reinhardt (ResearchIndex)

Methods can be redefined and new **objects** added at run time. ScriptX code is semi **compiled** into a bytecode **representation**, similar
citeseer.ist.psu.edu/context/81643/0 - 31k - [Cached](#) - [Similar pages](#)

Citations: The Role of Frame-Based Representation in Reasoning ...

Such **features** make aluni powerful enough to provide a uni ed framework for frame systems, **object** oriented languages, and semantic data models. ...
citeseer.ist.psu.edu/context/74094/0 - 64k - [Cached](#) - [Similar pages](#)
[\[More results from citeseer.ist.psu.edu \]](#)

[PDF] **Moorea, a Service Execution Environment for Telecommunication ...**

File Format: PDF/Adobe Acrobat - [View as HTML](#)

In the **context** of advanced **telecommunication service** ... behavior is **compiled** into a Java reactive **object**, ... The management **features** for the **service** ...
www.iut3.unicaen.fr/~bourdf/recherche/agents-mobiles/articles/ICIN01BD.pdf - [Similar pages](#)

Reinventing the Wheel? CORBA vs. Web Services

In CORBA, the Portable **Object** Adapter (POA) policies combined with the Fault-tolerant CORBA **features** and the Load-balancing CORBA **service** provide the ...
www2002.org/CDROM/alternate/395/ - 73k - [Cached](#) - [Similar pages](#)

Learning Circuits

SCORM (Sharable Content **Object** Reference Model): A set of specifications that, ... Value-


[Subscribe \(Full Service\)](#) [Register \(Limited Service, Free\)](#) [Login](#)

 Search: ☒ The ACM Digital Library ☒ The Guide

THE ACM DIGITAL LIBRARY


[Feedback](#) [Report a problem](#) [Satisfaction survey](#)

Terms used

[telecommunication](#) [context](#) [object](#) [markup](#) [feature](#) [call](#)

Found 220 of 185,178

Sort results by


[Save results to a Binder](#)
[Try an Advanced Search](#)
[Try this search in The ACM Guide](#)

Display results


[Search Tips](#)
☐ Open results in a new window

Results 1 - 20 of 200

Result page: [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [next](#)

Best 200 shown

Relevance scale ☐ ☐ ☐ ☐ ☐

1 [Fast detection of communication patterns in distributed executions](#)

Thomas Kunz, Michiel F. H. Seuren

 November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research**

Publisher: IBM Press

 Full text available: [pdf\(4.21 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

2 [Computing curricula 2001](#)

September 2001 **Journal on Educational Resources in Computing (JERIC)**

Publisher: ACM Press

 Full text available: [pdf\(613.63 KB\)](#) [html\(2.78 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

3 [Streams, structures, spaces, scenarios, societies \(5s\): A formal model for digital libraries](#)



Marcos André Gonçalves, Edward A. Fox, Layne T. Watson, Neill A. Kipp

April 2004 **ACM Transactions on Information Systems (TOIS)**, Volume 22 Issue 2

Publisher: ACM Press

 Full text available: [pdf\(316.85 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Digital libraries (DLs) are complex information systems and therefore demand formal foundations lest development efforts diverge and interoperability suffers. In this article, we propose the fundamental abstractions of Streams, Structures, Spaces, Scenarios, and Societies (5S), which allow us to define digital libraries rigorously and usefully. Streams are sequences of arbitrary items used to describe both static and dynamic (e.g., video) content. Structures can be viewed as labeled directed gra ...

Keywords: applications., definitions, foundations, taxonomy

4 Spoken dialogue technology: enabling the conversational user interface



Michael F. McTear

March 2002 **ACM Computing Surveys (CSUR)**, Volume 34 Issue 1

Publisher: ACM Press

Full text available: [pdf\(987.69 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Spoken dialogue systems allow users to interact with computer-based applications such as databases and expert systems by using natural spoken language. The origins of spoken dialogue systems can be traced back to Artificial Intelligence research in the 1950s concerned with developing conversational interfaces. However, it is only within the last decade or so, with major advances in speech technology, that large-scale working systems have been developed and, in some cases, introduced into commerc ...

Keywords: Dialogue management, human computer interaction, language generation, language understanding, speech recognition, speech synthesis

5 sTeam: structuring information in team-distributed knowledge management in cooperative learning environments



August 2001 **Journal on Educational Resources in Computing (JERIC)**

Publisher: ACM Press

Full text available: [pdf\(179.03 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#), [review](#)

Learning is a socially embedded design process. But most of today's hypermedia systems fail to properly support the design-related and the social aspects of learning. Authoring and Web-publishing systems aim to support the authors design processes. Consequently, the activities of learners are confined to selecting and reading. Based on some fundamental reflections on the role of technology in learning processes, we conclude that top priority must be given to the construction of infrastruc ...

Keywords: cooperative learning, cooperative support, learner-centered approaches, sTeam (structuring information in a team), web-based learning and teaching

6 Image Retrieval from the World Wide Web: Issues, Techniques, and Systems



M. L. Kherfi, D. Ziou, A. Bernardi

March 2004 **ACM Computing Surveys (CSUR)**, Volume 36 Issue 1

Publisher: ACM Press

Full text available: [pdf\(294.13 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

With the explosive growth of the World Wide Web, the public is gaining access to massive amounts of information. However, locating needed and relevant information remains a difficult task, whether the information is textual or visual. Text search engines have existed for some years now and have achieved a certain degree of success. However, despite the large number of images available on the Web, image search engines are still rare. In this article, we show that in order to allow people to profi ...

Keywords: Image-retrieval, World Wide Web, crawling, feature extraction and selection, indexing, relevance feedback, search, similarity

7 A fine-grained access control system for XML documents

 Ernesto Damiani, Sabrina De Capitani di Vimercati, Stefano Paraboschi, Pierangela Samarati
May 2002 **ACM Transactions on Information and System Security (TISSEC)**, Volume 5
Issue 2

Publisher: ACM Press

Full text available:  [pdf\(330.60 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Web-based applications greatly increase information availability and ease of access, which is optimal for public information. The distribution and sharing of information via the Web that must be accessed in a selective way, such as electronic commerce transactions, require the definition and enforcement of security controls, ensuring that information will be accessible only to authorized entities. Different approaches have been proposed that address the problem of protecting information in a Web ...

Keywords: Access control, World Wide Web, XML documents, authorizations specification and enforcement

8 Business-to-business interactions: issues and enabling technologies

B. Medjahed, B. Benatallah, A. Bouguettaya, A. H. H. Ngu, A. K. Elmagarmid
May 2003 **The VLDB Journal — The International Journal on Very Large Data Bases**,
Volume 12 Issue 1

Publisher: Springer-Verlag New York, Inc.

Full text available:  [pdf\(558.34 KB\)](#) Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)

Business-to-Business (B2B) technologies pre-date the Web. They have existed for at least as long as the Internet. B2B applications were among the first to take advantage of advances in computer networking. The Electronic Data Interchange (EDI) business standard is an illustration of such an early adoption of the advances in computer networking. The ubiquity and the affordability of the Web has made it possible for the masses of businesses to automate their B2B interactions. However, several issues ...

Keywords: B2B Interactions, Components, E-commerce, EDI, Web services, Workflows, XML

9 An object-oriented SGML/HyTime compliant multimedia database management system

 M. Tamer Özsu, Paul Iglinski, Duane Szafron, Sherine El-Medani, Manuela Junghanns
November 1997 **Proceedings of the fifth ACM international conference on Multimedia**

Publisher: ACM Press

Full text available:  [pdf\(1.77 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)


10 The "HyTime ": hypermedia/time-based document structuring language

 Steven R. Newcomb, Neill A. Kipp, Victoria T. Newcomb
November 1991 **Communications of the ACM**, Volume 34 Issue 11

Publisher: ACM Press

Full text available:  [pdf\(12.96 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

11 Moving objects: Synthetic generation of cellular network positioning data

 F. Giannotti, A. Mazzoni, S. Puntoni, C. Renso
November 2005 **Proceedings of the 13th annual ACM international workshop on**

Geographic information systems GIS '05**Publisher:** ACM PressFull text available:  pdf(678.71 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The flow of data coming from wireless telecommunication devices enables a novel classes of applications of high societal and economic impact. However, to make this flow of data useful, techniques for the discovery of consumable and concise knowledge out of these raw data have to be developed. Within the long term goal of devising knowledge discovery and analysis methods for trajectories of moving objects, this paper focuses on providing a system to build benchmark datasets for cellular devices p ...

Keywords: data mining, mobile devices positioning, spatio-temporal data generators, trajectories

12 Technique for automatically correcting words in text

Karen Kukich


December 1992 **ACM Computing Surveys (CSUR)**, Volume 24 Issue 4**Publisher:** ACM PressFull text available:  pdf(6.23 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Research aimed at correcting words in text has focused on three progressively more difficult problems: (1) nonword error detection; (2) isolated-word error correction; and (3) context-dependent word correction. In response to the first problem, efficient pattern-matching and n-gram analysis techniques have been developed for detecting strings that do not appear in a given word list. In response to the second problem, a variety of general and application-specific spelling cor ...

Keywords: n-gram analysis, Optical Character Recognition (OCR), context-dependent spelling correction, grammar checking, natural-language-processing models, neural net classifiers, spell checking, spelling error detection, spelling error patterns, statistical-language models, word recognition and correction

13 An analysis of XML database solutions for the management of MPEG-7 media descriptions

Utz Westermann, Wolfgang Klas

December 2003 **ACM Computing Surveys (CSUR)**, Volume 35 Issue 4**Publisher:** ACM PressFull text available:  pdf(448.76 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#), [review](#)

MPEG-7 constitutes a promising standard for the description of multimedia content. It can be expected that a lot of applications based on MPEG-7 media descriptions will be set up in the near future. Therefore, means for the adequate management of large amounts of MPEG-7-compliant media descriptions are certainly desirable. Essentially, MPEG-7 media descriptions are XML documents following media description schemes defined with a variant of XML Schema. Thus, it is reasonable to investigate current ...

Keywords: MPEG-7, XML database systems, multimedia databases

14 sTeam - Designing an integrative infrastructure for Web-based computer-supported cooperative learning

Thorsten Hampel, Reinhard Keil-Slawik

April 2001 **Proceedings of the 10th international conference on World Wide Web**

Publisher: ACM Press

Full text available:  [pdf\(265.67 KB\)](#) Additional Information: [full citation](#), [references](#), [index terms](#)

Keywords: cooperation support, cooperative learning, learner-centered approaches, sTeam - structuring information in a team, web-based learning and teaching

15 Applications: A context-related authorization and access control method based on RBAC:



Marc Willikens, Simone Feriti, Alberto Sanna, Marcelo Masera

June 2002 **Proceedings of the seventh ACM symposium on Access control models and technologies**

Publisher: ACM Press

Full text available:  [pdf\(260.70 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper describes an application of authorization and access control based on the Role Based Access Control (RBAC) method and integrated in a comprehensive trust infrastructure of a health care application. The method is applied to a health care business process that involves multiple actors accessing data and resources needed for performing clinical and logistics tasks in the application. The notion of trust constituency is introduced as a concept for describing the context of authorisation. ...

Keywords: role based access control (RBAC), secure health care system, trust infrastructure

16 1a---Links and Navigation: The look of the link - concepts for the user interface of extended hyperlinks



Harald Weinreich, Hartmut Obendorf, Winfried Lamersdorf

September 2001 **Proceedings of the twelfth ACM conference on Hypertext and Hypermedia**

Publisher: ACM Press

Full text available:  [pdf\(307.01 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The design of hypertext systems has been subject to intense research. Apparently, one topic was mostly neglected: how to visualize and interact with link markers.

This paper presents an overview of pragmatic historical approaches, and discusses problems evolving from sophisticated hypertext linking features. Blending the potential of an XLink-enhanced Web with old ideas and recent GUI techniques, a vision for browser link interfaces of the future is being developed. We hope to stimulate ...

Keywords: Web, XLink, distributed hypertext, link marker, user interface

17 Adaptive e-learning systems: KnowledgeTree: a distributed architecture for adaptive e-learning



Peter Brusilovsky

May 2004 **Proceedings of the 13th international World Wide Web conference on Alternate track papers & posters**

Publisher: ACM Press

Full text available:  [pdf\(956.43 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This paper presents KnowledgeTree, an architecture for adaptive E-Learning based on distributed reusable intelligent learning activities. The goal of KnowledgeTree is to bridge the gap between the currently popular approach to Web-based education, which is centered on learning management systems vs. the powerful but underused technologies in intelligent tutoring and adaptive hypermedia. This integrative architecture attempts to address both the component-based assembly of adaptive systems and te ...

Keywords: adaptive content service, adaptive web, content re-use, e-learning, learning object metadata, learning portal, student model server

18 Workshop on compositional software architectures: workshop report



May 1998 **ACM SIGSOFT Software Engineering Notes**, Volume 23 Issue 3

Publisher: ACM Press

Full text available: pdf(2.91 MB) Additional Information: [full citation](#), [index terms](#)

19 Semantic web services: Foundations for service ontologies: aligning OWL-S to dolce



Peter Mika, Daniel Oberle, Aldo Gangemi, Marta Sabou

May 2004 **Proceedings of the 13th international conference on World Wide Web**

Publisher: ACM Press

Full text available: pdf(234.31 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Clarity in semantics and a rich formalization of this semantics are important requirements for ontologies designed to be deployed in large-scale, open, distributed systems such as the envisioned Semantic Web. This is especially important for the description of Web Services, which should enable complex tasks involving multiple agents. As one of the first initiatives of the Semantic Webcommunity for describing Web Services, OWL-S attracts a lot of interest even though it is still under development. ...

Keywords: core ontology of services, daml-s, descriptions and situations, dolce, owl-s, semantic web, web services

20 Client-server computing in mobile environments



Jin Jing, Abdelsalam Sumi Helal, Ahmed Elmagarmid

June 1999 **ACM Computing Surveys (CSUR)**, Volume 31 Issue 2

Publisher: ACM Press

Full text available: pdf(233.31 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Recent advances in wireless data networking and portable information appliances have engendered a new paradigm of computing, called mobile computing, in which users carrying portable devices have access to data and information services regardless of their physical location or movement behavior. In the meantime, research addressing information access in mobile environments has proliferated. In this survey, we provide a concrete framework and categorization of the various way ...

Keywords: application adaptation, cache invalidation, caching, client/server, data dissemination, disconnected operation, mobile applications, mobile client/server, mobile computing, mobile data, mobility awareness, survey, system application

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2006 ACM, Inc.

[Terms of Usage](#) [Privacy Policy](#) [Code of Ethics](#) [Contact Us](#)

Useful downloads:  [Adobe Acrobat](#)  [QuickTime](#)  [Windows Media Player](#)  [Real Player](#)